

Interpreting and Understanding COVID-19 Quantitative Data

COVID-19 정량적 자료 해석 및 이해



Invited Speaker

| Hyunkyung Yoon

|| Instructor, Arizona State University | USA

Hyunkyung Yoon is an instructor at Arizona State University. Hyunkyung completed her Ph.D. in mathematics education at Arizona State University, and her master & undergraduate studies at Seoul National University. Her research interests are on (1) teachers' mathematical meanings for teaching and the relationships between meanings that teachers hold, their instructional actions, and meanings that their students construct, and (2) how students or teachers interpret quantitative representations such as graphs. She currently works on COVID-TASER funded by the National Science Foundation as a Co-PI.

Moderator **| Oh Nam Kwon**

|| Professor, Department of Mathematics Education, Seoul National University
Director, Center for Research in Mathematics Education

Interpreting and Understanding COVID-19 Quantitative Data

The COVID-19 pandemic provides an opportunity for mathematics educators to research people's mathematical meanings that aid them in understanding data that is crucial for their lives and health. In our work, we investigate United States and South Korean citizens' mathematical meanings for rate of change, percent, and graphs when interpreting COVID-19 quantitative data. We also explore the extent these meanings are productive for assessing the severity of COVID-19. Our work shows citizens' mathematical meanings impact how they assess the severity of COVID-19 as well as meanings that support them in assessing the severity of COVID-19. We present vignettes of citizens' meanings that inhibit interpreting representations of COVID-19. The results provide insights into the importance of teaching productive meanings for rate of change, percent, and graphs. We discuss the implications of these insights for secondary mathematics education.

| 일정 및 진행 방법 |

2021. 5. 1. (토) 9:00 AM - 10:30 AM

Zoom 온라인 화상회의

제 25회 수학교육세미나는 한국어로 진행됩니다.



사전 등록하기

등록

사전 등록은 4월 29일 자정까지 가능합니다.
Zoom 온라인 화상회의 링크는 4월 30일에 발송됩니다.

문의

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